



# **SUPERVISING ENGINEERING GEOLOGIST**

**Exam Code: 9PB76**

**Department:** State of California

**Exam Type:** Servicewide, Open

**Final Filing Date:** Continuous

## **CLASSIFICATION DETAILS**

**Supervising Engineering Geologist** – \$11,326.00 - \$14,177.00 per month

[View the Supervising Engineering Geologist classification specification.](#)

## **APPLICATION INSTRUCTIONS**

Final Filing Date: Continuous **Who**

### **Should Apply:**

Applicants who meet the minimum qualifications as stated on this bulletin may apply for and take this examination.

Once you have taken this examination, you may not retake it for **nine (9)** months.

### **How To Apply:**

The link to connect to the Training and Experience Evaluation is located farther down on this bulletin in the “Taking the Exam” section.

### **Special Testing Arrangements:**

If you require special testing arrangements due to a verified disability or medical condition, please contact:

California Department of Human Resources

CalCareer Service Center

1810 16<sup>th</sup> Street

Sacramento, CA 95814

Phone: (866) 844-8671

Email: [CalCareer@CalHR.CA.GOV](mailto:CalCareer@CalHR.CA.GOV)

California Relay Service: 7-1-1 (TTY and voice)

TTY is a Telecommunications Device for the Deaf, and is reachable only from phones equipped with a TTY Device

## **MINIMUM QUALIFICATIONS**

All applicants must meet the education and/or experience requirements as stated on this exam bulletin to be accepted into the examination. Part-time or full-time jobs, regardless of whether paid or volunteer positions, and inside or outside California state service will count toward experience.

### **Supervising Engineering Geologist**

Education: Equivalent to graduation from college with major work in geology, engineering geology, or a closely related field that includes coursework in geology. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.) (Registration as a senior in a recognized institution will admit applicants to the Engineering Geologist examination, but they must produce evidence of graduation or its equivalent before they can be considered eligible for appointment.)

Possession of a valid certificate of registration as a geologist or geophysicist issued by the California Board of Geologists and Geophysicists is required for appointment to the Senior Engineering Geologist level and above.

#### **Either 1**

Experience: Two years of experience performing the duties of a Senior Engineering Geologist in the California state service.

#### **Or 2**

Experience: Six years of professional engineering geological experience, at least two years of which shall have been comparable in level and responsibility to that of a Senior Engineering Geologist in the California state service. (A master's degree with major work in geology or engineering geology may be substituted for one year of the required experience. Possession of a doctorate degree in one of the fields identified above may be substituted for two years of the general experience.)

## **POSITION DESCRIPTION**

### **Supervising Engineering Geologist**

The Supervising Engineering Geologist is the full supervisory level in the series. Incumbents supervise two or more sections through subordinate level supervisors. Incumbents plan, organize, and direct geological work; direct the utilization of

personnel, instruction of supervisory technical personnel, and the coordination of their activity with other organizational components.

## **EXAMINATION SCOPE**

This examination consists of the following components:

**Training and Experience Evaluation** – Weighted 100% of the final score.

The examination will consist solely of a **Training and Experience Evaluation**. To obtain a position on the eligible list, a minimum score of 70% must be received. Applicants will receive their score upon completion of the Training and Experience Evaluation process.

In addition to evaluating applicants' relative knowledge, skills, and ability, as demonstrated by quality and breadth of education and/or experience, emphasis in each exam component will be measuring competitively, relative job demands, each applicant's:

### **Knowledge of:**

1. Stratigraphic, structural, historical, and economic geology as related to civil engineering projects.
2. Geological processes and survey techniques, equipment, and procedures.
3. Fundamental principles of mineralogy, petrography, soil mechanics, and hydrogeology.
4. Photogeology, geological mapping and drafting, and the application of geology to engineering problems.
5. Grouting methods, techniques, and equipment.
6. Geological literature.
7. Subsurface exploration and sampling procedures.
8. The principles of effective supervision, personnel management, and budget preparation.
9. The department's Equal Employment Opportunity Program objectives.
10. A supervisor's responsibility for promoting equal opportunity in hiring and employment development and promotion, and for maintaining a work environment free of discrimination and harassment.
11. Methods and techniques of effective leadership.
12. General administrative processes.
13. The principles of fiscal oversight for multiple units, budgeting, labor relations objectives, and other administrative functions.
14. Organization and goals and objectives of the organization.
15. Principles and practices of policy formulation and development.
16. Techniques of motivating and organizing groups.

17. Current methods used to evaluate program effectiveness.

**Ability to:**

1. Conduct geological and geophysical exploration investigations.
2. Conduct independent technical research work.
3. Make, record, and evaluate observations on geological engineering problems.
4. Make accurate tests, observations, and measurements.
5. Analyze situations accurately and take effective action.
6. Prepare and analyze technical reports, plans specifications, and estimates for geological and geophysical exploration.
7. Perform independent technical research work and maintain cooperative relationships with those contacted in the work.
8. The ability to delegate work to others, direct the work of others, and motivate others to work effectively.
9. Effectively contribute to the department's Equal Employment Opportunity Program objectives.
10. Direct and organize the work of major programs.
11. Perceive alternatives available in the solution of management problems and select effective and realistic courses of action.
12. Direct and coordinate the work of others through subordinate supervisors.
13. Gain the confidence and support of top level management and develop cooperative working relationships with all levels of government and the public.
14. Effectively contribute to the Department's labor relations objectives.

## **ELIGIBLE LIST INFORMATION**

A servicewide, open eligible list for the **Supervising Engineering Geologist** classification will be established for the State of California (all State of California departments, statewide).

The names of successful competitors will be merged onto the eligible list in order of final score regardless of exam date. Eligibility expires **twelve (12) months** after it is established. Applicants must then retake the examination to reestablish eligibility.

Veterans' Preference will be granted for this examination. In accordance with Government Codes 18973.1 and 18973.5, whenever any veteran, or widow or widower of a veteran achieves a passing score on an open examination, he or she shall be ranked in the top rank of the resulting eligible list.

Veterans status is verified by the California Department of Human Resources (CalHR). Information on this program and [the Veterans' Preference Application](#) (Std. form 1093) is available online. Additional information on veteran benefits is available at the Department of Veterans Affairs.

## EXAMINATION INFORMATION

[Preview of the Supervising Engineering Geologist Training and Experience Evaluation](#)

## PREPARING FOR THE EXAMINATION

Here is a list of suggested resources to have available prior to taking the exam.

**Employment History:** Employment dates, job titles, organization names and addresses, names of supervisors or persons who can verify your job responsibilities, and phone numbers of persons listed above.

**Education:** School names and addresses, degrees earned, dates attended, courses taken (verifiable on a transcript), persons or office who can verify education, and phone numbers of persons or offices listed above.

**Training:** Class titles, certifications received, names of persons who can verify your training, and phone numbers of persons listed above.

## TAKING THE EXAMINATION

[Take the Supervising Engineering Geologist examination](#)

## TESTING DEPARTMENTS

State of California (all State of California departments)

## CONTACT INFORMATION

California Department of Human Resources  
CalCareer Service Center  
1810 16<sup>th</sup> Street  
Sacramento, CA 95814  
Phone: (866) 844-8671  
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## EQUAL OPPORTUNITY EMPLOYER

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right of family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation,

race, religious creed, sex (includes pregnancy, childbirth, breastfeeding, and related medical conditions), and sexual orientation.

## **DRUG-FREE STATEMENT**

It is an objective of the State of California to achieve a drug-free State work place. Any applicant for State employment will be expected to behave in accordance with this objective, because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service, and the special trust placed in public servants.

## **GENERAL INFORMATION**

Examination and/or Employment Application (STD 678) forms are available at the California Department of Human Resources, local offices of the Employment Development Department, and through your [CalCareer Account](#).

If you meet the requirements stated on this examination bulletin, you may take this examination, which is competitive. Possession of the entrance requirements does not assure a place on the eligible list. Your performance in the examination described in this bulletin will be rated against a predetermined job-related rating, and all applicants who pass will be ranked according to their score.

The California Department of Human Resources (CalHR) reserves the right to revise the examination plan to better meet the needs of the service, if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all applicants will be notified.

**General Qualifications:** Applicants must possess essential personal qualifications including integrity, initiative, dependability, good judgement, the ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) servicewide promotional, 5) departmental open, 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

**High School Equivalence:** Equivalence to completion of the 12<sup>th</sup> grade may be demonstrated in any one of the following ways: 1) passing the General Education Development (GED) Test; 2) completion of 12 semester units of college-level work; 3) certification from the State Department of Education, a local school board, or high school authorities that the competitor is considered to have education equivalent to

graduation from high school; or 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis.